



Technical Data Sheet

EMULSIFIER FOR ASO 100 (SS EF- 212)

APPLICATIONS

Emulsifier for Activated Silicone Oil **ASO 100**

FEATURES

- Non-ionic in nature.
- Easy to handle.
- Biodegradable in nature.
- Easy to disperse in aqueous systems.

LIMITATIONS

These products are neither tested nor represented as suitable for medical or pharmaceutical uses.

PACKAGING

30 Kg HDPE Carbouys.

SHELF LIFE

4 months in the original sealed container

DESCRIPTION

Supreme Silicones SS EF 212 is Non ionic Emulsifier for Activated Silicone Oil (ASO 100). It is a mixture of Non Ionic emulsifiers developed to get stable Antifoam / Defoamer Emulsion. It contents preservatives, which avoids bacterial growth in emulsion.

TYPICAL PROPERTIES

Parameters	Values
Appearance	Semisolid
Melting Point deg. C.	70 - 90
Color	Yellowish
HLB Range	8.2 – 8.5

HOW TO USE

Composition for 100 Kg Batch. (20 % active)

SS EF 212 = 20 Kg

ASO 100 = 20 Kg

DM WATER = 60 Kg

Emulsification Procedure

1. Charge 20 Kg of SS EF 212 in suitable mixture and heat to 90 deg.C.
2. Mix above material for 5 minutes to get homogeneous flowable mass.
3. Start cooling and cool upto 50 deg.C.
4. Add to it 20 Kg of ASO 100 into 3-4 equal lots with 10 min interval & mix for 1 hrs or more to get oil free pre mix paste.
5. Start water (60 Kg) addition slowly , while adding water confirm the mixing quality ie. Homogeneity of product.
6. Above composition will provide 20 % active emulsion.
7. Add preservatives and allow ageing for 12 Hrs. Filter out the product from bottom. The resultant emulsion is milky off-white without separation.

USABLE LIFE AND STORAGE

When stored bellow 40°C in the original unopened containers, *Supreme Silicones* SS EF 212 Antifoam Emulsifier has a usable life of 4 months from the date of manufacturing. Emulsion manufactured by using SS EF 212 is unaffected by freeze/thaw cycles. If the product freezes, it should be stored at room temperature to thaw, then remixed before use.

HANDLING PRECAUTIONS

SS EF 212 is non toxic & non harmful. Standard safety equipments such as hand gloves and safety goggles should be used while handling the product.

The information provided to the customers in this data sheet is intended as a guideline and is provided in good faith. Changes may occur from system to system as methods of use and conditions are beyond our control, hence **users are requested to evaluate the recommendations before actual application to get desired performance.** Supreme Silicone's sole warranty is that the product will meet the Supreme Silicone's sales specifications in effect at the time of shipment. Supreme Silicones specifically disclaims any other express or implied warranty of fitness. Supreme Silicones disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.